



ENERGY STAR®
Focusing on
Energy Efficiency
for the
Drinking Water and
Wastewater Industries

Introductory Meeting

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Agenda

- Introductions among call participants
- Introduction to the ENERGY STAR Water and Wastewater Focus
- Overview of energy use in the drinking water and wastewater industries
- Benchmarking: AWWARF Project Update
- Guide to assessing energy efficiency opportunities and strategies for superior energy management
- Questions & discussion
- Next steps



Energy & Water Professionals

EPA's ENERGY STAR Focus Support Team

- Cadmus Group – Overall support
- Catalyst Financial Group – financing solutions
- LBNL – ENERGY STAR Energy Guides and benchmark development support
- ORNL – benchmark development support

Special Focus Participants

- Linda Reekie, AwwaRF
- Steve Carlson, CHD Energy supporting the AwwaRF Water and Wastewater Utility Energy Index



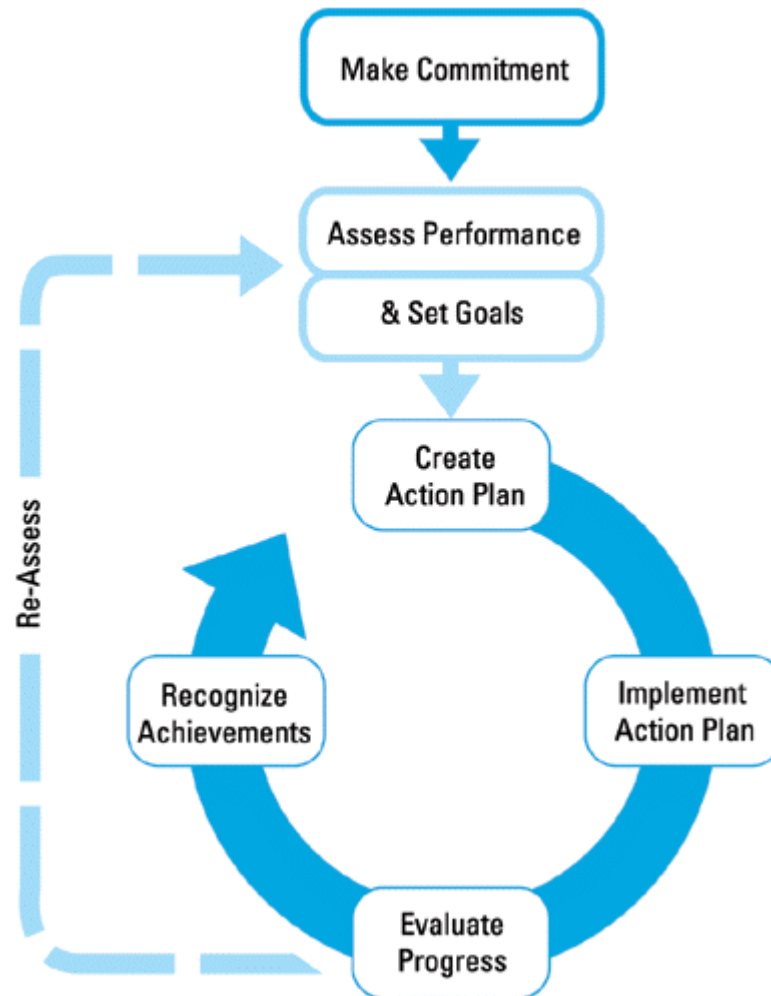
ENERGY STAR

- Voluntary government program
- Emphasis on strategic energy management and identifying the best performance
 - emphasis on:
 - strong energy management
 - using benchmarks for gauging improvement
 - use of available technology now
 - learning from each other - efficiency forum



ENERGY STAR & Strategic Energy Management

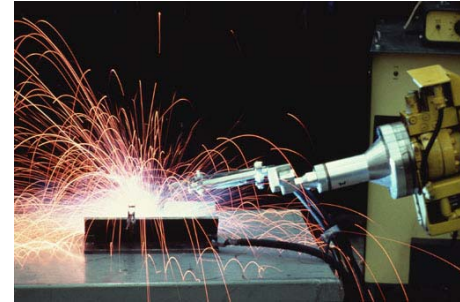
Approach based on the successful energy management practices of over 1,600 commercial and industrial organizations





ENERGY STAR & Industry

- ENERGY STAR works with select industries to improve the energy performance of their operations





Focuses Underway

- Automobile assembly (coordinating with Alliance of Automobile Manufacturers)
 - provided plant energy performance indicator (EPI)
 - energy guide of current efficiency opportunities
 - annual energy efficiency forum
- Cement manufacturing (working with Portland Cement Association)
 - EPI in development
 - energy guide for cement plants
 - energy efficiency forum May/June 2004
- Corn refining (working with Corn Refiners Association)
 - EPI in development
 - energy guide for corn milling completed
 - energy efficiency forum
- Brewing (coordinated with Beer Institute)
 - EPI provided
 - energy guide for breweries
 - energy efficiency forum
- Pharmaceutical manufacturing
 - Focus requested by industry and planned for 2004
 - Petroleum refining
 - energy guide in development



Introduction to the ENERGY STAR Water and Wastewater Focus



Goals for the ENERGY STAR Water and Wastewater Focus

- Create momentum for continued improvement of energy efficiency
- Identify and tackle barriers to energy efficiency in both industries
- Provide tools and resources to enhance energy performance
- Uncover new energy saving opportunities
- Encourage sharing for efficiency



Components of a Focus

- Introductory meeting (today)
- Development of program tools and resources (ongoing):
 - ENERGY STAR Guides - technical energy efficiency opportunities assessment report for water and wastewater utility managers
 - Energy performance rating/benchmarking system for each industry that is normalized for variable – weather, climate, plant/system characteristics, regional difference, etc.
- Energy efficiency focus discussions (bimonthly conference calls)



Next Steps

Proposed Schedule:

- Conference calls typically bimonthly
- Next conference call topic: discuss outline and content of the ENERGY STAR Guide for Municipal Drinking Water Industry



Questions & Discussion